

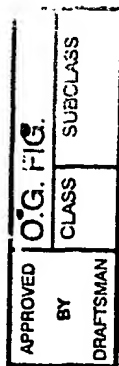
APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



Fig. 1

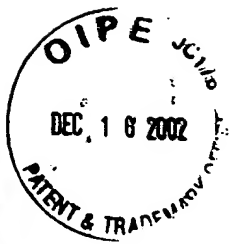
1KNT : TDICKLPKDEGTCRDFILKWYDPNT-----KSCARFWYGGCGNENKFGSQKECEKVCA
 ZKUN6 (E) : C-LP-DVQACTGPTSPHLVLWHYDPQRGGCMTFPARGCDGAARGFETYACQQAC
 ZKUN6 (F) : CVLPAVQQGPCRGWEPRWAYSPLL-----QQCHPFVYGGCEGNNGNNFHSRECEDAC

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Hydrophobic		Hydrophilic	
-3	-2	-1	0
1	0.00		M
2	0.00		P
3	0.57		A =====
4	0.37		L =====
5	-0.04		R
6	-0.07		= P
7	-0.18		== L
8	-1.09		===== L
9	-1.50		===== P
10	-1.50		===== L
11	-1.50		===== L
12	-1.00		===== L
13	-1.00		===== L
14	-0.77		===== L
15	-1.03		===== R
16	-0.73		===== L
17	-0.52		===== T
18	-1.58		===== S
19	-1.58		===== G
20	-1.82		===== A
21	-1.25		===== g
22	-1.25		===== L
23	-1.47		===== L
24	-0.90		===== P
25	-0.55		===== G
26	0.07		L =
27	0.07		G =
28	0.07		S =
29	0.12		h =
30	-0.05		P
31	-0.10		= G
32	-0.38		===== V
33	-0.35		===== C
34	-0.65		===== P
35	-0.35		===== N
36	-0.18		===== Q
37	-0.15		= L
38	-0.48		===== S
39	-1.08		===== P
40	-1.03		===== N
41	-0.58		===== L
42	-0.67		===== W
43	-0.67		===== V
44	-0.32		===== D
45	0.18		A ==
46	0.27		Q ==
47	0.27		S ==
48	0.85		T =====
49	1.32		C =====
50	1.10		E =====
51	1.22		R =====
52	1.88		E =====
53	1.88		C =====
54	1.42		S =====
55	1.42		D =====
56	1.42		D =====

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APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLASS

Fig. 2B

57 1.28
58 0.70
59 0.12
60 0.58
61 0.58
62 0.58
63 0.50
64 0.28
65 0.40
66 -0.35
67 -1.02
68 -0.85
69 -0.98
70 -0.77
71 -0.75
72 -0.67
73 -0.75
74 -0.83
75 -0.62
76 -0.03
77 -0.50
78 -0.33
79 -0.08
80 0.05
81 0.13
82 -0.45
83 -0.12
84 -0.12
85 -0.18
86 -0.30
87 -0.38
88 -0.38
89 -0.25
90 -0.42
91 0.15
92 0.22
93 -0.12
94 -0.28
95 -0.50
96 -0.33
97 -0.80
98 -0.77
99 -0.35
100 -0.05
101 0.62
102 0.45
103 0.92
104 0.58
105 0.02
106 0.47
107 -0.03
108 0.17
109 -0.33
110 -0.28
111 0.12
112 0.12
113 -0.05
114 0.42
115 0.92

Q =====
D =====
C =
A =====
A =====
A =====
E =====
K =====
C =====
===== C
===== I
===== N
===== V
===== C
===== G
===== L
===== H
===== S
===== C
V
===== A
===== A
= R
F =
P =
===== G
= S
= P
== A
=== A
===== P
===== T
===== T
===== A
A ==
S ==
= C
=== E
===== G
=== F
===== V
===== C
===== P
= Q
Q =====
G =====
S =====
D =====
C
D =====
I
W ==
=== D
=== G
Q =
P =
V
C =====
R =====

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O.G. FIG.	
APPROVED BY	DRAFTSMAN
CLASS	SUBCLASS

Fig. 2C

116 1.67
117 1.67
118 1.67
119 2.33
120 2.33
121 1.83
122 1.38
123 1.13
124 0.07
125 -0.60
126 -1.18
127 -1.13
128 -0.68
129 -0.27
130 0.00
131 0.10
132 -0.20
133 -0.63
134 -1.10
135 -0.60
136 -0.47
137 -0.78
138 -0.62
139 0.27
140 0.15
141 0.15
142 0.23
143 0.45
144 0.37
145 0.37
146 0.45
147 -0.35
148 -0.35
149 -0.48
150 -0.27
151 -1.07
152 -1.32
153 -1.02
154 -1.10
155 -0.30
156 -0.30
157 -0.25
158 -0.30
159 -0.25
160 -0.65
161 -1.15
162 -1.07
163 -0.77
164 -0.42
165 -0.47
166 0.10
167 0.10
168 0.10
169 0.55
170 0.43
171 0.37
172 0.28
173 0.78
174 0.78

C =====
R =====
D =====
R =====
C =====
E =====
K =====
E =====
P =
===== S
===== F
===== t
===== C
==== A
==== S
D =
== G
===== L
===== T
===== Y
===== Y
===== N
===== R
C ===
Y ==
M ==
D ==
A =====
E =====
A =====
C =====
==== L
==== R
===== G
==== L
===== H
===== L
===== H
===== I
==== V
==== P
==== C
==== K
==== H
===== V
===== L
===== S
===== W
==== P
===== P
S =
S =
P =
G =====
P =====
P =====
E =====
T =====
T =====

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APPROVED BY DRAFTSMAN	O.G. FIG.	SUBCLASS
	CLASS	

Fig. 2D

175 0.22
176 0.28
177 0.35
178 0.35
179 -0.23
180 -0.23
181 -0.42
182 -0.42
183 -0.42
184 -0.42
185 -0.63
186 -1.02
187 -0.72
188 -0.67
189 -0.67
190 -0.53
191 -0.23
192 0.18
193 0.05
194 -0.25
195 -0.22
196 -0.52
197 -0.52
198 -1.12
199 -1.10
200 -0.93
201 -0.92
202 -0.97
203 -1.05
204 -0.65
205 -0.08
206 -0.25
207 -0.25
208 0.05
209 0.63
210 0.80
211 0.30
212 0.55
213 0.42
214 0.17
215 -0.40
216 -0.97
217 -0.47
218 0.03
219 0.15
220 0.45
221 0.83
222 1.43
223 1.43
224 1.43
225 1.43
226 1.08
227 0.47
228 0.22
229 0.22
230 -0.28
231 0.18
232 0.52
233 0.60

A ==
R ===
P =====
T =====
== P
== G
===== A
===== A
===== P
===== V
===== P
===== P
===== A
===== L
===== Y
===== S
== S
P ==
S =
=== P
== Q
===== A
===== V
===== Q
===== V
===== G
===== g
===== T
===== A
===== S
= L
=== H
=== C
D =
V =====
S =====
G ===
R =====
P =====
P ==
===== P
===== A
===== V
T
W =
E =====
K =====
Q =====
S =====
h =====
Q =====
R =====
E =====
N ==
L ==
=== I
M ==
R =====
P =====



APPROVED BY DRAFTSMAN	O.G. FIG.	SUBCLASS
	CLASS	

Fig. 2E

234 0.43
235 -0.07
236 -0.03
237 -0.78
238 -1.07
239 -1.10
240 -1.28
241 -1.23
242 -1.57
243 -1.32
244 -1.03
245 -1.08
246 -0.77
247 -1.12
248 -1.20
249 -1.17
250 -1.28
251 -0.48
252 -0.23
253 0.57
254 1.45
255 1.33
256 1.42
257 0.62
258 0.23
259 -0.33
260 -1.00
261 -0.98
262 -1.07
263 -0.27
264 0.15
265 0.13
266 0.22
267 -0.28
268 -0.50
269 -1.30
270 -0.83
271 -0.83
272 -0.25
273 -0.10
274 0.20
275 0.20
276 -0.25
277 -0.42
278 -1.17
279 -0.72
280 -0.22
281 0.58
282 0.53
283 0.70
284 1.45
285 1.92
286 1.33
287 0.75
288 0.75
289 0.88
290 0.08
291 -0.42
292 -0.42

D ====

= Q

M

===== Y

===== G

===== N

===== V

===== V

===== V

===== t

===== S

===== I

===== G

===== Q

===== L

===== V

===== L

===== Y

== N

A =====

R =====

P =====

E =====

D =====

A ==

=== G

===== L

===== Y

===== T

=== C

T ==

A =

R ==

=== N

===== A

===== A

===== g

===== L

=== L

= R

A ==

D ==

=== F

===== P

===== L

===== S

== V

V =====

Q =====

R =====

E =====

P =====

A =====

R =====

D =====

A =====

A =

===== P

===== S



O.G. FIG.	SUBCLASS
	CLASS
APPROVED BY DRAFTSMAN	

Fig. 2F

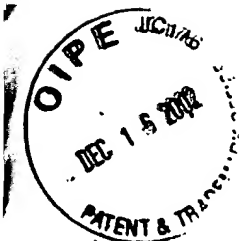
293 -0.33
294 -0.42
295 0.03
296 0.17
297 -0.13
298 -0.05
299 0.45
300 0.28
301 -0.18
302 -0.10
303 0.03
304 -0.03
305 -0.53
306 -0.28
307 -0.38
308 -0.25
309 -0.08
310 -0.10
311 -0.40
312 -0.65
313 -0.88
314 -1.50
315 -1.58
316 -1.88
317 -1.08
318 -0.83
319 -0.50
320 0.57
321 0.65
322 1.03
323 0.37
324 0.15
325 0.05
326 -0.87
327 -0.87
328 -0.95
329 -0.28
330 -0.07
331 -0.17
332 0.75
333 0.75
334 0.75
335 0.17
336 0.67
337 0.83
338 -0.08
339 0.42
340 0.43
341 0.53
342 0.53
343 0.45
344 0.70
345 0.23
346 0.33
347 0.23
348 -0.43
349 -0.43
350 0.23
351 0.20

=== I
==== P
A
P ==
= A
E
C =====
L ===
== P
= D
V
Q
===== A
=== C
===== T
=== G
= P
= T
===== S
===== P
===== H
===== L
===== V
===== L
===== W
===== H
===== Y
D =====
P =====
Q =====
R =====
G ==
G =
===== C
===== M
===== T
=== F
= P
== A
R =====
G =====
C =====
D ==
G =====
A =====
= A
R =====
G =====
F =====
E =====
T =====
Y =====
E ==
A ==
C ==
===== Q
===== Q
A ==
C ==

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APPROVED BY DRAFTSMAN	O.G. FIG.	SUBCLASS
	CLASS	

Fig. 2G

352 0.17
353 0.25
354 0.92
355 0.92
356 0.25
357 0.00
358 -0.30
359 -0.30
360 -0.88
361 -1.05
362 -0.85
363 -0.60
364 -0.30
365 -0.47
366 0.12
367 0.37
368 0.17
369 0.67
370 0.67
371 1.33
372 0.27
373 0.18
374 -0.03
375 -0.48
376 -0.48
377 -1.28
378 -1.02
379 -0.90
380 -0.48
381 -0.70
382 -0.78
383 -0.48
384 -0.60
385 -0.88
386 -1.30
387 -1.13
388 -1.05
389 -1.22
390 -0.30
391 -0.05
392 0.37
393 0.37
394 0.40
395 0.60
396 -0.32
397 -0.40
398 -0.38
399 0.12
400 0.58
401 0.60
402 0.85
403 1.43
404 1.88
405 1.30
406 0.63
407 0.58
408 0.50
409 0.00
410 0.00

A ==
R ===
G =====
P =====
G ===
D
=== A
=== C
===== V
===== L
===== P
===== A
=== V
===== Q
G =
P =====
C ==
R =====
G =====
W =====
E ==
P ==
R
===== W
===== A
===== Y
===== S
===== P
===== L
===== L
===== Q
===== Q
===== C
===== H
===== P
===== F
===== V
===== Y
=== G
G
C =====
E =====
G =====
N =====
=== G
===== N
===== N
F =
H =====
S =====
R =====
E =====
S =====
C =====
E =====
D =====
A =====
C
P

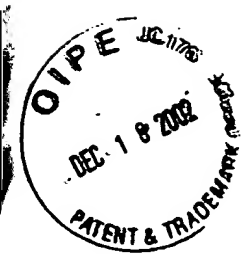
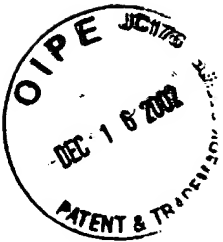


Fig. 2H

APPROVED BY DRAFTSMAN	O.G. FIG.	CLASS	SUBCLASS
411	0.02		
412	0.18		
413	0.18		
414	0.27		
415	0.77		
416	0.18		
417	0.08		
418	0.58		
419	0.28		
420	0.95		
421	0.50		
422	1.08		
423	0.95		
424	0.37		
425	0.37		
426	-0.70		
427	-1.05		
428	-1.72		
429	-0.92		
430	-0.78		
431	0.02		
432	0.17		
433	0.38		
434	0.25		
435	-0.50		
436	-0.55		
437	-0.55		
438	-0.43		
439	-0.42		
440	0.38		
441	0.38		
442	0.08		
443	0.08		
444	0.88		
445	0.95		
446	0.95		
447	1.12		
448	1.33		
449	0.27		
450	-0.23		
451	-0.53		
452	-1.12		
453	-0.53		
454	-0.70		
455	-0.22		
456	-0.52		
457	0.28		
458	0.87		
459	0.12		
460	0.07		
461	0.65		
462	1.45		
463	1.45		
464	1.45		
465	1.48		
466	1.78		
467	0.98		
468	0.98		
469	0.07		

APPROVED BY DRAFTSMAN	O.G. FIG.	CLASS	SUBCLASS
411	0.02		
412	0.18		
413	0.18		
414	0.27		
415	0.77		
416	0.18		
417	0.08		
418	0.58		
419	0.28		
420	0.95		
421	0.50		
422	1.08		
423	0.95		
424	0.37		
425	0.37		
426	-0.70		
427	-1.05		
428	-1.72		
429	-0.92		
430	-0.78		
431	0.02		
432	0.17		
433	0.38		
434	0.25		
435	-0.50		
436	-0.55		
437	-0.55		
438	-0.43		
439	-0.42		
440	0.38		
441	0.38		
442	0.08		
443	0.08		
444	0.88		
445	0.95		
446	0.95		
447	1.12		
448	1.33		
449	0.27		
450	-0.23		
451	-0.53		
452	-1.12		
453	-0.53		
454	-0.70		
455	-0.22		
456	-0.52		
457	0.28		
458	0.87		
459	0.12		
460	0.07		
461	0.65		
462	1.45		
463	1.45		
464	1.45		
465	1.48		
466	1.78		
467	0.98		
468	0.98		
469	0.07		

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O.G. FIG.		SUBCLASS
APPROVED	BY	CLASS
		DRAFTSMAN

Fig. 2I

470 -0.73
471 -0.52
472 -0.58
473 0.22
474 -0.67
475 -0.55
476 0.25
477 0.00
478 0.00
479 -0.80
480 -0.98
481 -0.68
482 -1.40
483 -0.65
484 -1.15
485 -0.93
486 -0.53
487 -0.53
488 -0.48
489 -0.98
490 -0.38
491 -0.52
492 -0.42
493 -0.50
494 -0.33
495 0.17
496 0.13
497 0.35
498 0.12
499 -0.05
500 -0.35
501 -1.07
502 -1.07
503 -0.57
504 -0.52
505 0.23
506 1.03
507 1.25
508 1.00
509 0.42
510 0.42
511 -0.38
512 -0.38
513 -0.47
514 -0.22
515 -0.08
516 -0.22
517 -0.17
518 -0.17
519 -0.17
520 -0.25
521 -0.25
522 0.63
523 1.38
524 1.38
525 1.22
526 1.80
527 2.25
528 1.45

===== L
===== K
===== F
L ==
===== G
===== T
K ===
Y
L
===== E
===== V
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===== S
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===== D
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T ==
A =
G =====
D =
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G ==
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V =====
R =====
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A =====
A =====
S =====
E =====
K =====
R =====
V =====



APPROVED BY DRAFTSMAN	O.G. FIG.	SUBCLASS
	CLASS	

Fig. 2J

529 0.65
530 0.65
531 0.60
532 -0.20
533 -0.20
534 0.60
535 0.93
536 0.35
537 0.48
538 1.28
539 0.48
540 -0.21
541 -0.09
542 0.60
543 0.46
544 0.11
545 1.02
546 0.00
547 0.00
548 0.00

K =====
K =====
I =====
== L
== E
L =====
L =====
E =====
K =====
Q =====
A =====
== C
= E
L =====
L =====
N =
R =====
F
Q
D

